Marshall University

College of Science

MTH 405: History of Mathematics

Course catalog description

A study of the history of mathematics from the time of the ancient Greeks to the end of the nineteenth century.

Credit hours

3 hours

Prerequisites

A grade of C or higher in MTH300

Learning outcomes

- Students will write more effectively by regularly using writing as a means to investigate problems and to learn mathematical concepts.
- Students will read and interpret mathematical ideas independently.
- Students will use their exploration of the historical struggle to find an effective system of notation to effectively communicate mathematical ideas in written and oral forms.
- Students will examine the changes that have taken place in the standards of proof in order to address issues related to representation including what technology is appropriate to solve a problem and to present a topic.
- Students will learn to mathematically model situations and creatively solve problems for which they may never have seen examples and be able to pass such strategies on to their own students by doing the related mathematics associated with historically important developments.
- Students will learn to use their knowledge of the history of mathematics as a resource for the learning and teaching of mathematics.

Suggested textbooks

- Dunham, *Journey Through Genius*

Last updated
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